R. M. EDDY FOUNDRY COMPANY

1916
AND
1917

372 WEST GRAND AVENUE
TEL. SUPERIOR 3506 CHICAGO

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Mike Jackson, FAIA

GEORGE D. EDDY
President

CHARLES M. EDDY
Sec. & Treas.

L. J. McGINNISS
Superintendent

Established 1865

R. M. EDDY FOUNDRY CO.

Founders and Machinists

IRON *and* SEMISTEEL
CASTINGS

FOR MACHINERY AND BOILERS
BOILER FRONTS AND FURNACES
GENERAL HIGH GRADE CASTINGS

372 West Grand Avenue
Chicago

Telephone Superior 5506

R. M. EDDY FOUNDRY CO.

Full Ornamental Extra Heavy Front



These fronts are made extra heavy, special attention being given to contraction and expansion. They are perfectly fitted, and are by far the best fronts on the market. We have also cheaper fronts, on which we should be pleased to quote prices on application.

List of Ornamental Boiler Fronts

Fitted With

LINER PLATES, BEARING BARS, SOOT DOORS AND FRAMES AND SKELETON ARCH.

Size of Boiler	Height of Front	Width of Front	Fire Space	Ash Pit	Distance between Boilers	Weight	Price, F.O.B. Chicago
In.	Ft. In.	Ft. In.	In.	In.	In.	Lbs.	
36 single..	7 2	6 4	18	18		2,000	$.....
36 double.	7 2	11 0	18	18	20	3,700	
42 single..	7 10	7 2	18	18		2,250	
42 double.	7 10	12 4	18	18	20	4,350	
48 single..	9 1	7 8	20	20		3,125	
48 double.	9 1	13 8	20	20	24	5,900	
48 triple..	9 1	19 8	20	20	24	8,700	
54 single..	9 6	8 0	24	20		3,300	
54 double.	9 6	14 6	24	20	24	6,400	
54 triple..	9 6	21 0	24	20	24	9,400	
60 single..	10 3	8 6	26	21		3,900	
60 double.	10 3	15 6	26	21	24	7,400	
60 triple..	10 3	22 6	26	21	24	10,800	
66 single..	11 6	9 2	28	22		4,450	
66 double.	11 6	16 10	28	22	26	8,400	
66 triple..	11 6	24 6	28	22	26	12,300	
72 single..	11 6	9 2	28	22		4,500	
72 double.	11 6	17 4	28	22	26	8,500	
72 triple..	11 6	25 6	28	22	26	12,500	

Grate Bars and Wall Binder extra.

PLAIN FULL FRONT.



PLAIN FULL FRONT.

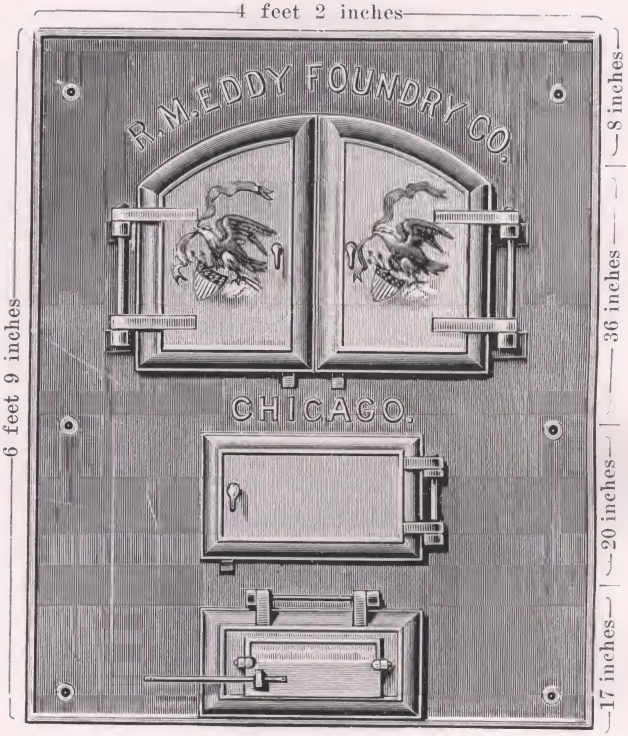
Fitted With

LINER PLATES, BEARING BARS SOOT DOORS AND FRAMES, SKELETON ARCH.

Size of Boiler	Height of Front	Width of Front	Fire Space	Ash Pit	Distance between Boilers	Weight	Price
In.	Ft. In.	Ft. In.	In.	In.	In.	Lbs.	
48 single..	8 9	6 6	24	21		2,600	$.....
48 double.	8 9	12 6	24	21	24	5,200	
48 triple..	8 9	18 6	24	21	24	7,900	
54 single..	8 9	6 6	24	21		2,700	
54 double.	8 9	13 0	24	21	24	5,400	
54 triple..	8 9	19 6	24	21	24	8,100	
60 single..	9 7	7 4	26	21		3,100	
60 double.	9 7	14 4	26	21	24	6,200	
60 triple..	9 7	21 2	26	21	24	9,300	
66 single..	10 4	8 4	28	22		3,700	
66 double.	10 4	15 10	28	22	26	7,400	
66 triple..	10 4	23 8	28	22	26	11,100	
72 single..	11 0	8 4	28	22		3,750	
72 double.	11 0	16 6	28	22	26	7,500	
72 triple..	11 0	24 8	28	22	26	11,250	

Wall Binders and Grate Bars extra.

PLAIN FRONT.



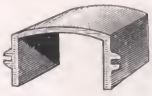
For 36, 42 or 44-inch Boiler.

Front with Dead Plate and Liners, Soot Door and Back Arch. 1,200 lbs.

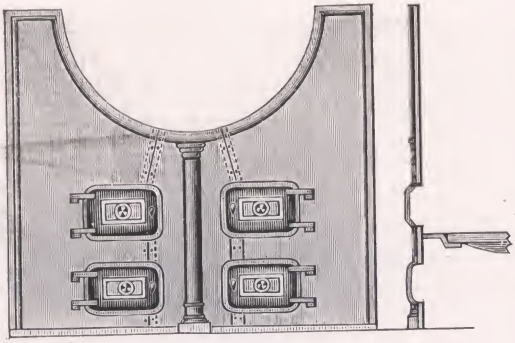
Grate Bars and Wall Binders extra.

HALF FRONTS.

BOX LINERS.



From 8 in. to 16 in. deep.

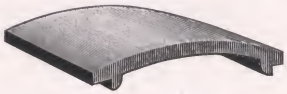


Size of Boiler	Height		Width		Fire Space	Ash Pit	Weight	Price
In.	Ft.	In.	Ft.	In.	In.	In.	Lbs.	
30	4	3	4	2	18	18	900	$.....
36	4	4	4	4	19	19	900	
42	5	0	5	3	19	19	1,300	
48	5	9	5	8	24	22	1,500	
54	6	0	6	3	24	22	1,800	
60	6	4	6	9	24	22	2,000	
66	6	11	7	7	28	24	2,300	
72	7	1	8	1	28	24	2,400	

The weight given includes Liners, Bearing Bars, 1 Soot Door and Frame and 1 Back Skeleton Arch.

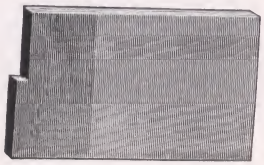
Grate Bars and Wall Binders extra.

TOP LINER PLATE.



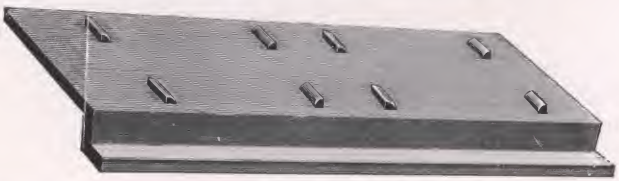
Size of Front	36 in.	42 in.	48 in.	54 in.	60 in.	66 in.
Weight of 1 Top Plate	82 lbs	85 lbs	110 lbs	115 lbs	115 lbs	125 lbs

SIDE LINER PLATE.



Size of Front	36 in.	42 in.	48 in.	54 in.	60 in.	66 in.	72 in.
1 Side Plate	46 lbs	55 lbs	80 lbs	80 lbs	80 lbs	80 lbs	80 lbs

FRONT ANGLE DEAD PLATE.



Size of Boiler	36 in.	42 in.	48 in.	54 in.	60 in.	66 in.	72 in.
Length	46 "	52 "	58 "	64 "	70 "	82 "	82 "
Weight	125 lbs	170 lbs	250 lbs	260 lbs	300 lbs	390 lbs	390 lbs

CENTER BEARING BARS.



Size of Boiler	36 in.	42 in.	48 in.	54 in.	60 in.	66 in.	72 in.
Length	42 "	48 "	54 "	60 "	66 "	72 "	78 "
Weight	60 lbs	70 lbs	95 lbs	100 lbs	145 lbs	175 lbs	200 lbs

BACK BEARING BARS.



Size of Boiler	36 in.	42 in.	48 in.	54 in.	60 in.	63 in.	72 in.
Length	46 "	52 "	58 "	64 "	70 "	82 "	82 "
Weight	47 lbs	53 lbs	65 lbs	70 lbs	93 lbs	133lbs	133 lbs

BACK ANGLE BARS.



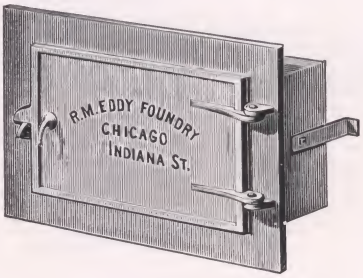
¾-inch Metal	72 inches long	62 lbs.	2 x 2 inches
1-inch Metal	72 inches long	88 lbs.	2 x 2 inches

T BARS.



⅝-inch Metal	72 inches long	72 lbs.	4 x 3 inches
½-inch Metal	72 inches long	60 lbs.	4 x 3 inches

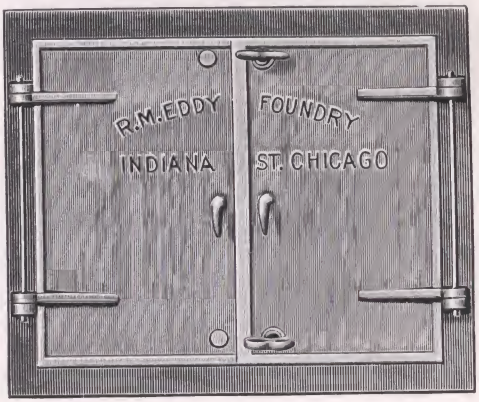
SOOT DOOR AND FRAME.



8x10 inches.	14x18 inches.	24x24 inches.
12x12 "	15x20 "	24x30 "
12x14 "	18x18 "	30x24 "
14x16 "	20x24 "	

SOOT DOORS AND FRAME.

Double Doors.

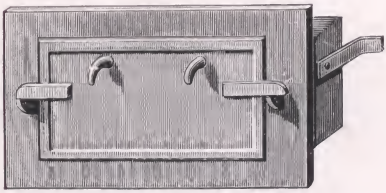


18x30 inches.	24x36 inches.	30x36 inches.
20x36 "	24x42 "	36x36 "
24x30 "	30x30 "	28x54 "

LIFT OFF SOOT DOOR AND FRAME.

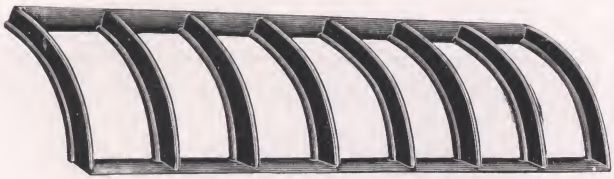


4x4 inches. 6x6 inches. 8x8 inches.



8x10 inches. 13x15 inches.

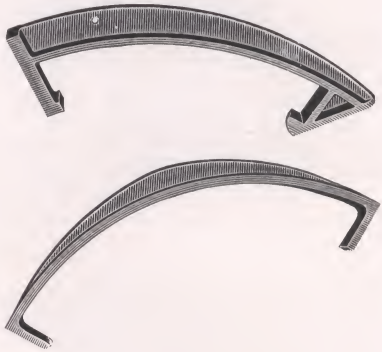
BACK SKELETON ARCH.



Size of Boiler.....	36 in.	42 in.	48 in.	54 in.	60 in.	66 in.	72 in.
Length.....	48 "	48 "	58 "	68 "	68 "	78 "	78 "
Radius.....	18 "	18 "	20 "	22 "	22 "	26 "	26 "
Weight.....	150 lbs	170 lbs	235 lbs	265 lbs	275 lbs	300 lbs	330 lbs

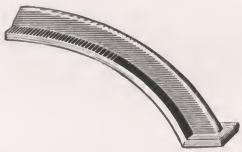
REAR ARCH RIBS.

50 lbs. each.

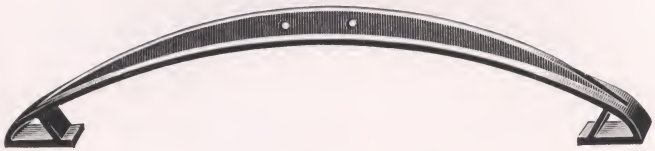


BACK ARCH RIB.

50 lbs. each.

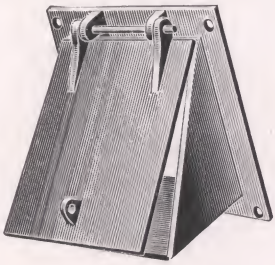


HARTFORD REAR ARCH BAR.



For 60-inch Boiler, 180 lbs.
For 66-inch Boiler, 200 lbs.
For 72-inch Boiler, 220 lbs.

CHECK DRAFT DOOR AND FRAME.



6x6 inches. 7x11 inches.

WALL BINDERS.



Wall Binders furnished any size or length desired. Please state distance from center to center of holes in ordering.



Size of Boiler	Weight of Side Binder	Distance Between Holes	Weight of End Binder	Distance Between Holes	Distance Between Holes
36 in.	60 lbs.	4 ft. 8 in.	60 lbs.	2 ft. 5 in.	2 ft. 11 in.
42 "	75 "	6 " 0 "	75 "	2 " 6 "	2 " 9 "
48 "	100 "	7 " 0 "	90 "	3 " 4 "	3 " 8 "
54 "	109 "	8 " 0 "	104 "	3 " 4 "	4 " 2 "
60 "	126 "	8 " 4 "	105 "	3 " 7 "	4 " 6 "
66 "	198 "	9 " 3 "	160 "	4 " 0 "	4 " 6 "
72 "	198 "	9 " 3 "	160 "	4 " 0 "	4 " 6 "
72 "	162 "	10 " 4 "	132 "	6 " 1 "	3 " 7 "
72 "	266 "	11 " 4 "			

COMMON GRATE BARS.

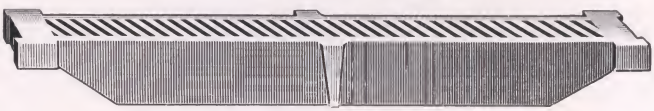


Length	Width	Weight	Air Space
24 in.	2¾ in.	16 lbs.	½ in.
26 "	2¾ "	17 "	½ "
27 "	2¾ "	17 "	½ "
28 "	2¾ "	23 "	½ "
30 "	2¾ "	24 "	½ "
33 "	2¾ "	34 "	½ "
36 "	3 "	36 "	½ "



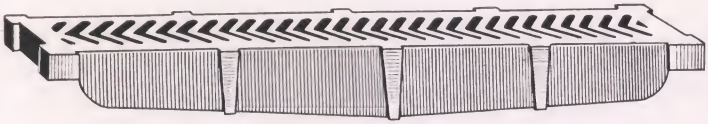
Length	Width	Weight	Air Space
42 "	3 "	56 "	⅝ "
48 "	3 "	60 "	⅝ "
50 "	3 "	60 "	⅝ "
54 "	3 "	70 "	⅝ "
60 "	3 "	90 "	⅝ "
66 "	3 "	105 "	⅝ "
72 "	3 "	115 "	⅝ "

OBTUSE GRATE BAR.



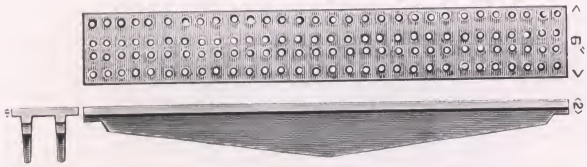
Length	Width	Weight	Air Space	Metal
30 in.	5 in.	50 lbs.	⅜ in.	⅜ in.
36 "	5 "	60 "	⅜ "	⅜ "
36 "	6 "	60 "	⅜ "	⅜ "
42 "	6 "	75 "	⅜ "	⅜ "
48 "	6 "	90 "	⅜ "	⅜ "
54 "	6 "	105 "	⅜ "	⅜ "
60 "	6 "	120 "	⅜ "	⅜ "
66 "	6 "	135 "	⅜ "	⅜ "

IMPROVED GRATE BAR.



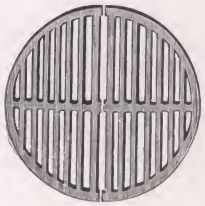
Length	Width	Metal	Air Space	Weight
33 in.	6 in.	½ in.	½ in.	65 lbs.
36 "	6 "	½ "	½ "	75 "
42 "	6 "	½ "	½	85 "
48 "	6 "	½ "	½ "	100 "
54 "	6 "	½ "	½ "	115 "
60 "	6 "	½ "	½ "	130 "
66 "	6 "	½ "	½ "	145 "
72 "	6 "	½ "	⅝ "	160 "

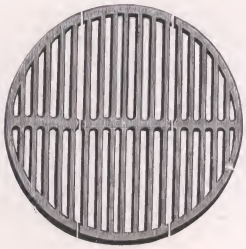
SHAVING GRATE BAR.



Length	Width	Weight
30 in.	6 in.	45 lbs.
36 "	6 "	55 "
42 "	6 "	55 "
48 "	6 "	75 "
54 "	6 "	85 "
60 "	6 "	95 "
66 "	6 "	120 "
72 "	6 "	140 "

ROUND GRATES FOR UPRIGHT BOILERS.



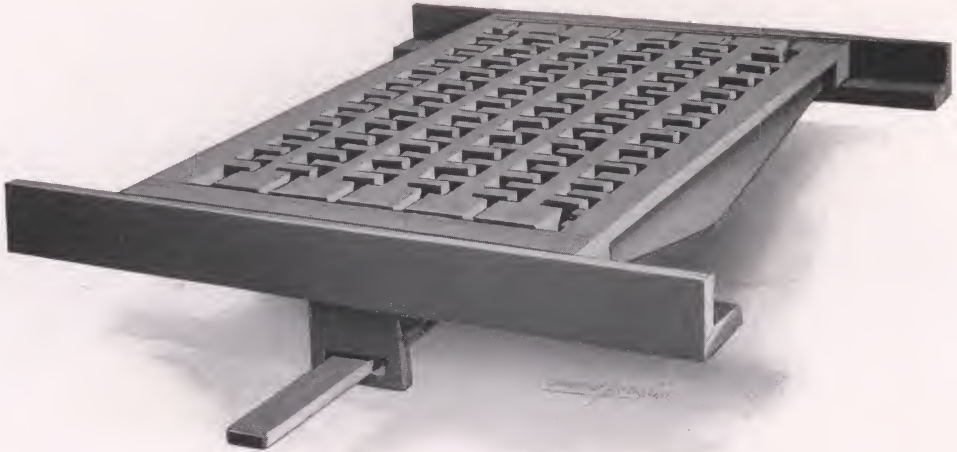


In two parts.		In three parts.			
16 in. dia.	45 lbs.	26 in. dia.	120 lbs.	36 in. dia.	220 lbs.
18 "	50 "	27 "	122 "	37 "	225 "
19 "	57 "	28 "	125 "	38 "	345 "
20 "	75 "	29 "	145 "	39 "	350 "
21 "	78 "	30 "	150 "	40 "	385 "
22 "	85 "	32 "	175 "	41 "	390 "
23 "	87 "	33 "	180 "	42 "	400 "
24 "	97 "	34 "	185 "	43 "	410 "
25 "	100 "	35 "	210 "	44 "	435 "

LARGE SIZES ON SHORT NOTICE.

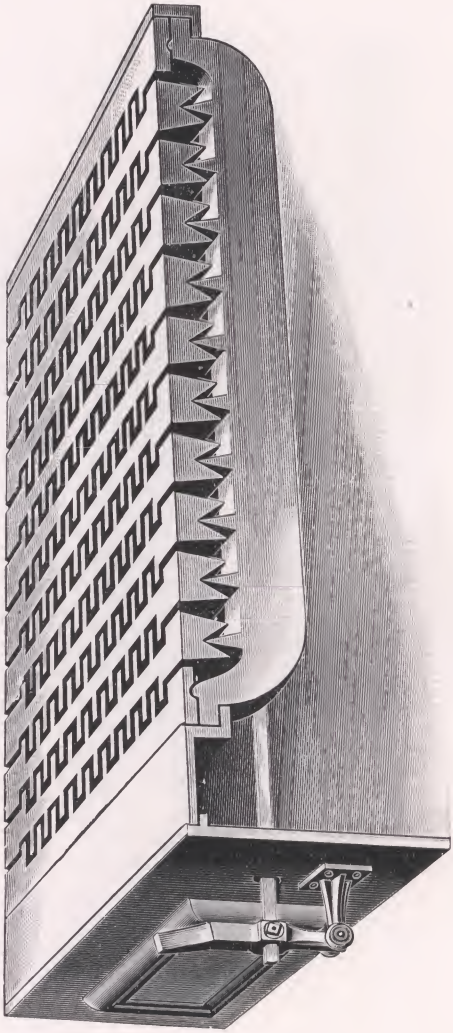
45 in. diameter.	470 lbs.	53 in. Diameter.	640 lbs.
40 " "	490 "	54 " "	645 "
48 " "	515 "	55 " "	687 "
49 " "	520 "	56 " "	730 "
50 " "	565 "	60 " "	770 "
52 " "	632 "	65 " "	1,100 "

No. 1. SCALE BEARING GRATE.

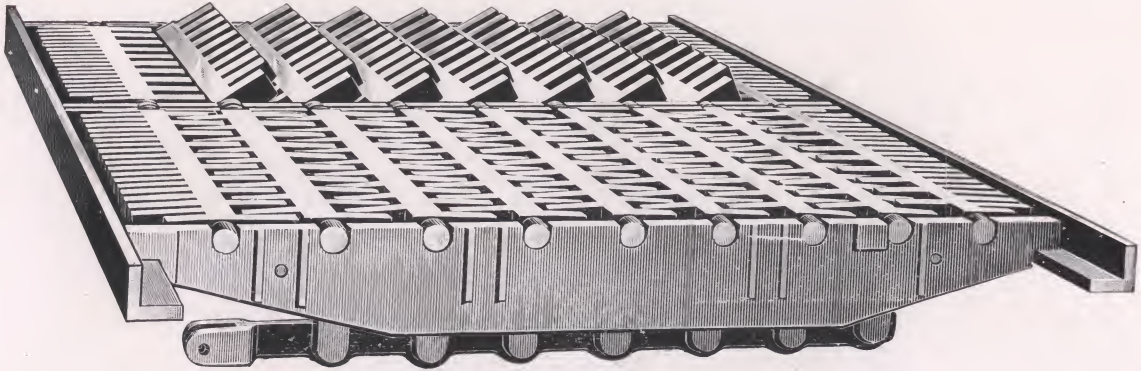


¾-inch metal, ½-inch air space, 55 lbs. per square foot.

SCALE BEARING ROCKING GRATE. STYLE No. 2.

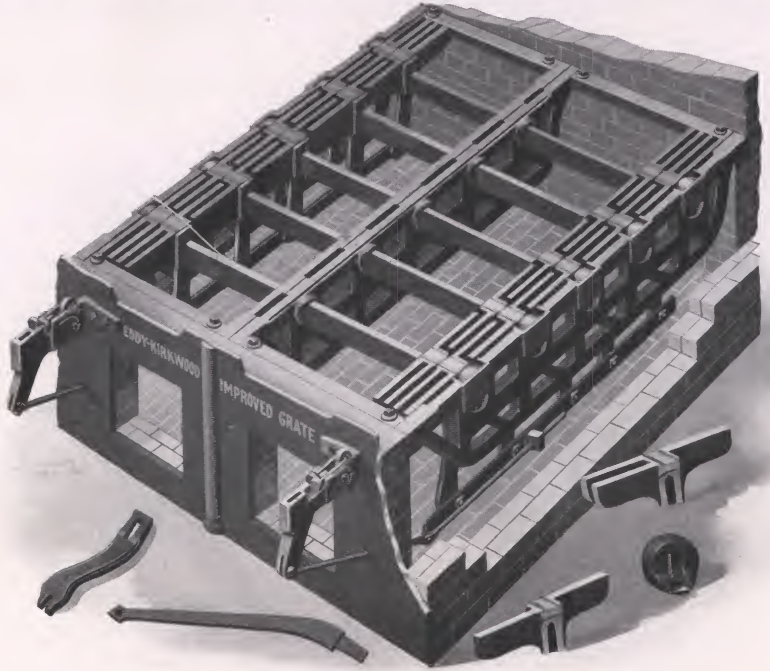


HEAVY FINGER SHAKING AND DUMPING GRATE.



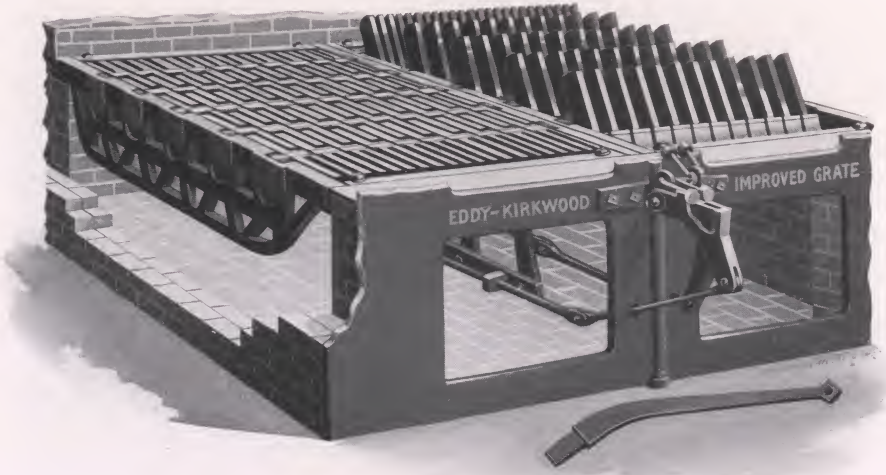
⅞-inch metal, ½-inch air space, 70 lbs., per square foot.
Especially designed for heavy firing.

THE EDDY-KIRKWOOD IMPROVED SHAKING AND DUMPING GRATE.



This illustration shows the construction of the Eddy-Kirkwood grate in sections, with shakers on sides.

THE EDDY-KIRKWOOD IMPROVED SHAKING AND DUMPING GRATE.

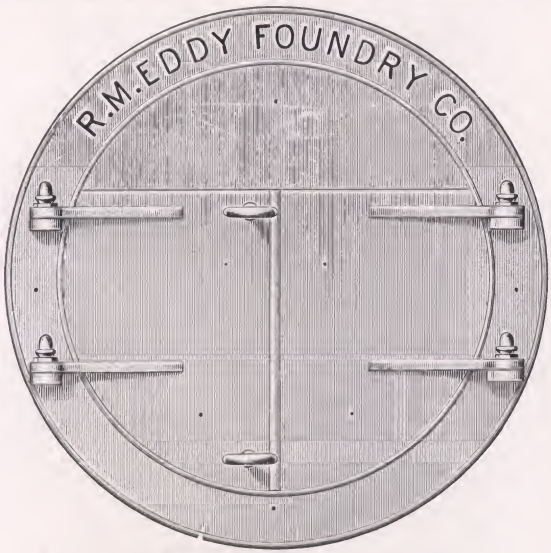


This illustration shows the grate in two positions; ready for fire, and dumped, with shakers in center.

FLAT TOP SHAKING AND DUMPING GRATE.



CAST IRON FLUE CAP RING AND DOOR.



For 36-inch Boiler, 200 lbs. each.
For 42-inch Boiler, 275 lbs. each.
For 48-inch Boiler, 300 lbs. each.
For 54-inch Boiler, 400 lbs. each.
For 60-inch Boiler, 500 lbs. each.
For 66-inch Boiler, 600 lbs. each.
For 72-inch Boiler, 700 lbs. each.

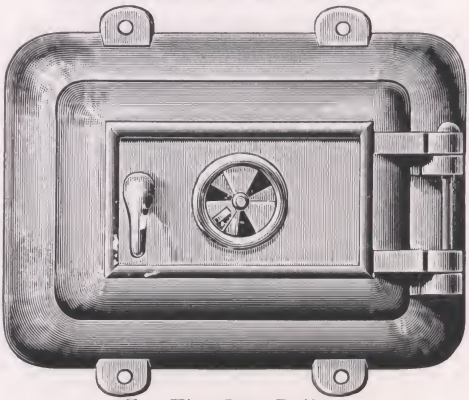
DRAFT DOORS AND ASH PIT FRONTS.



14 in.

36 in.	42 in.	48 in.	54 in.	60 in.
90 lbs.	100 lbs.	110 lbs.	120 lbs.	130 lbs.

FIRE DOOR AND FRAME.

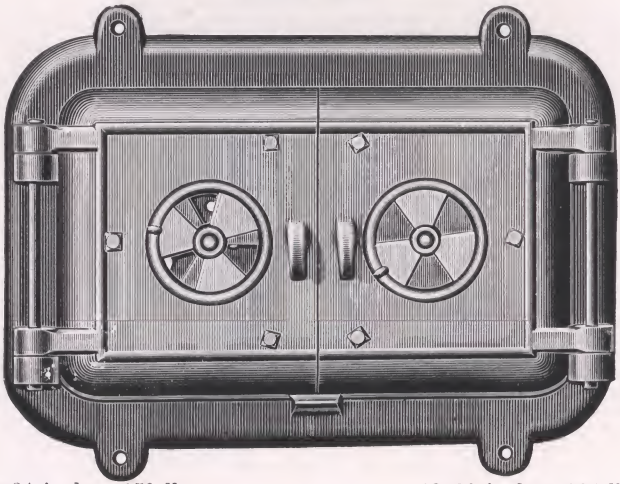


For Fire Box Boiler.

Door	10x14 in.	10x16 in.	12x10 in.
Weight	60 lbs.	90 lbs.	115 lbs.

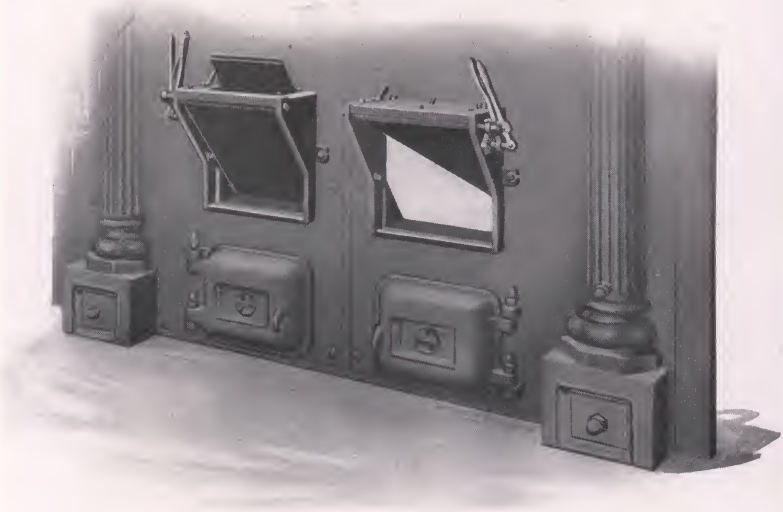
FIRE DOOR AND FRAME.

Double Doors.



14x24 inches, 150 lbs. 18x30 inches, 265 lbs.

The New Improved McGinnis Safety Fire Door



The McGinnis Fire Door has been on the market for years and is known to every engineer. The Improved McGinnis Fire Door has all the features of the old door—and in addition it is now mounted outside the boiler front, thereby adding greatly to the convenience of erection and to the life of the door. Look at the illustration and remember that it can be fitted to any boiler, new or old, in a very short time, by an ordinary mechanic.

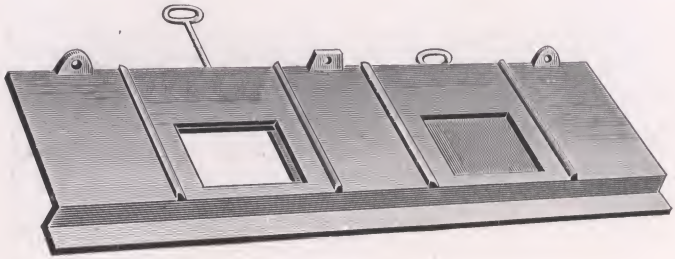
Door frame made of cast iron. Fire door plate of sheet steel. Guides bolted to frame prevent door opening outward which is a safety feature in case of a gas explosion or ruptured tube. Air is admitted over top of door and heated to approximately furnace temperature. Smoke abated 90 per cent and furnace efficiency largely increased.

This door approved by smoke department, also used extensively by the Board of Education, City of Chicago.

R. M. EDDY FOUNDRY CO.

372 West Grand Avenue, CHICAGO, ILLINOIS

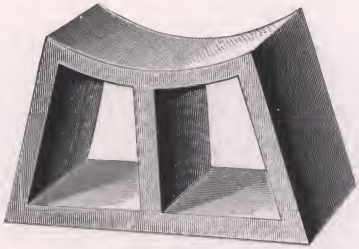
DEAD PLATE WITH DUMP PLATE.



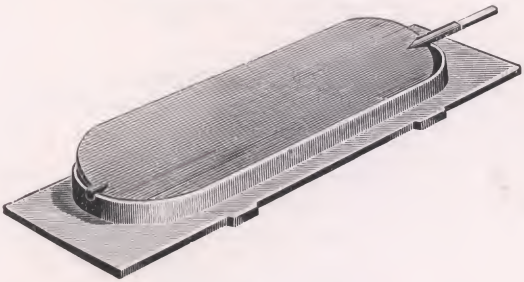
FRONT BEARING BAR.



STAND FOR BOILER OR TANK.



SMOKE DAMPER.



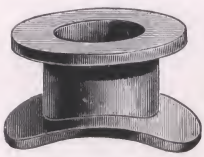
⅝-inch Metal, 25 lbs. per square foot.

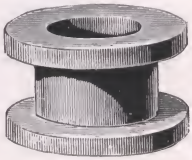
DAMPER FRAMES.



42-inch Boiler, 30 lbs.
48-inch Boiler, 50 lbs.
54-inch Boiler, 60 lbs.
60-inch Boiler, 70 lbs.

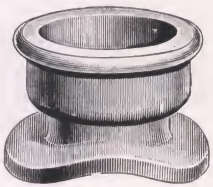
NOZZLES.





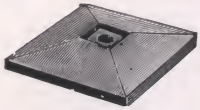
Size	Diameter of Flange	Weight	Height
4 in.	9 in.	40 lbs.	6 in.
5 "	10 "	56 "	6 "
6 "	11 "	70 "	6 "
8 "	13½ "	100 "	6 "
10 "	16 "	135 "	7 "
12 "	19 "	215 "	6 "
14 "	21 "	240 "	6 "
16 "	24½ "	290 "	8½ "
18 "	25 "	340 "	9 "
20 "	27½ "	400 "	10 "
24 "	32 "	800 "	13 "

HUB FLANGES.



4-inch Pipe, 25 lbs. each.
5-inch Pipe, 30 lbs. each.
6-inch Pipe, 35 lbs. each
8-inch Pipe, 60 lbs. each.

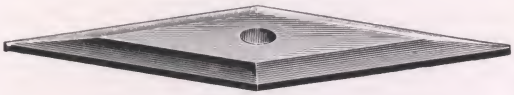
FOUNDATION WASHERS.



¾-inch.	6x6 inches.	7 lbs.
1 -inch.	7x7 inches.	11 lbs.
1⅛-inch.	7x7 inches.	11 lbs.
1½-inch.	8x8 inches.	18 lbs.
1¾-inch.	8x8 inches.	18 lbs.

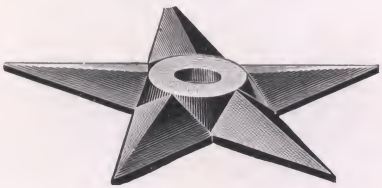
Assorted sizes in stock.

DIAMOND WASHER.



6x30 inches. 20 lbs. each.

STAR WASHERS.

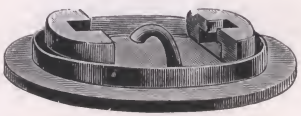


Always in stock.

6 inch diameter	2 lbs.
9 inch diameter, light	6 lbs.
9 inch diameter, heavy	8 lbs.
12 inch diameter	12 lbs.

MAN-HOLE PLATES AND CRABS.

11½x15½.

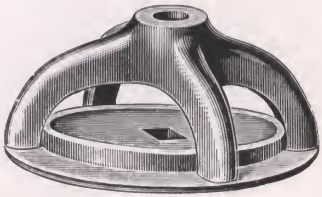


52 lbs.



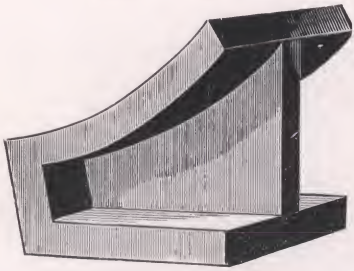
15 lbs. each

HAND-HOLE PLATE AND CRAB.



3x4 in.	3½x5½ in.	4x6 in.	5x7 in.	6x8 in.	6x9 in.
6 lbs.	12 lbs.	14 lbs.	22 lbs.	24 lbs.	25 lbs.

TANK LUGS.



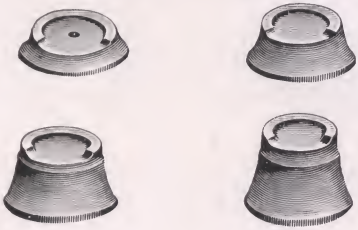
LUG PLATES.



15 lbs. each. 8x15x½ inches.

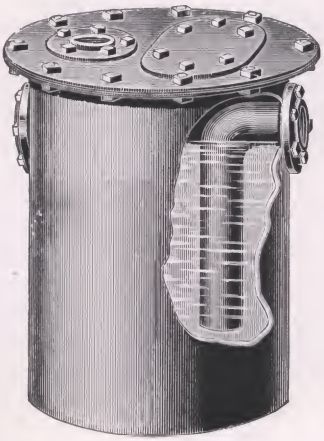
Always on hand.

RADIATOR PEDESTALS.

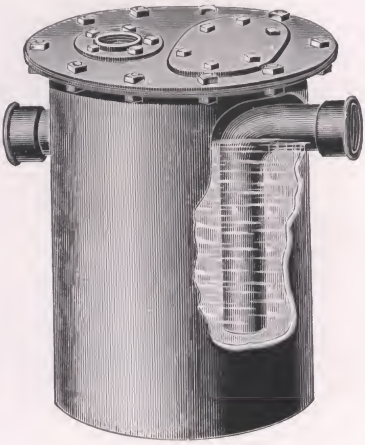


BLOW-OFF TANKS AND CATCH BASINS.

Especially Adapted for Receiving Boiler Blow-off Water, Cylinder Drains, Drips from Steam Apparatus, and as Hot Wells for Condensers.



Steam Blow-off Tank.



Gravel Catch Basin.

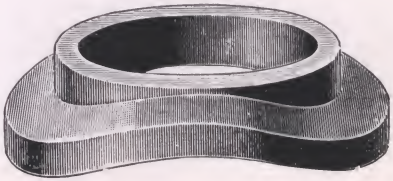
BLOW-OFF TANKS AND CATCH BASINS.

DIMENSIONS		WEIGHT Pounds	LIST PRICE	DIMENSIONS		WEIGHT Pounds	LIST PRICE
Diameter Inches	Depth Inches			Diameter Inches	Depth Inches		
18	18	300	$20.00	30	54	1150	$ 80.00
18	24	350	25.00	30	60	1250	85.00
18	30	400	30.00	36	36	1200	85.00
18	36	450	35.00	36	42	1300	95.00
24	24	500	40.00	36	48	1400	105.00
24	30	575	45.00	36	54	1500	115.00
24	36	650	50.00	36	60	1600	125.00
24	42	725	55.00	42	42	1500	110.00
24	48	800	60.00	42	48	1650	120.00
24	54	875	65.00	42	54	1800	130.00
24	60	950	70.00	42	60	1950	140.00
26	30	650	50.00	48	48	2100	150.00
26	36	725	55.00	48	54	2250	160.00
26	42	800	60.00	48	60	2400	170.00
26	48	875	65.00	48	66	2550	180.00
26	54	950	70.00	48	72	2700	190.00
26	60	1025	75.00	60	60	4500	320.00
30	30	750	60.00	60	66	4750	340.00
30	36	850	65.00	60	72	5000	360.00
30	42	950	70.00	60	78	5250	380.00
30	48	1050	75.00				

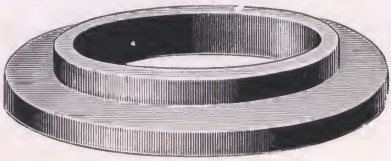
When ordering blow-off tanks always state size of inlet and outlet connections, also size of vapor pipe. 3-inch and smaller are always tapped and the largest sizes flanged. The hubs are for 4-inch and 6-inch cast iron soil pipe on the gravel basins.

Discount to the Trade.

CIRCLE FLANGE.



FLAT FLANGE.



STANDARD FLANGES.

CHICAGO.

Adopted from Crane, May, 1901. **Templet.**

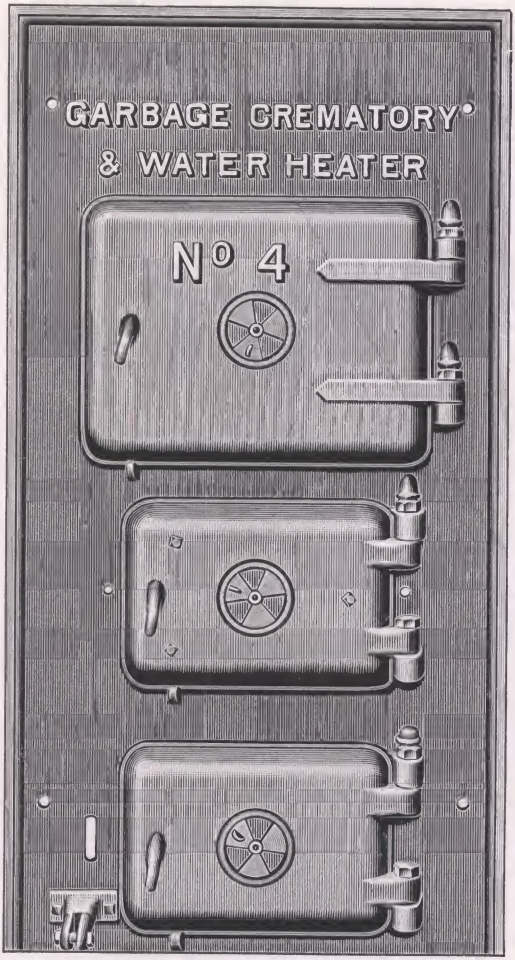
Size	Diam.	B. Cir.	Bolts			
			No.	Diam.	Length	Weight
2″	6″	4¾″	4	⅝″	2″	5 lbs.
2½″	7″	5½″	4	⅝″	¼″	7 "
3″	7½″	6″	4	⅝″	2½″	10 "
3½″	8½″	7″	4	⅝″	2½″	12 "
4″	9″	7½″	4	¾″	2¾″	14 "
4½″	9¼″	7¾″	8	¾″	3″	16 "
5″	10″	8½″	8	¾″	3″	18 "
6″	11″	9½″	8	¾″	3″	26 "
7″	12½″	10¾″	8	¾″	3¼″	32 "
8″	13½″	11¾″	8	¾″	3½″	35 "
9″	15″	13¼″	12	¾″	3½″	40 "
10″	16″	14¼″	12	⅞″	3¾″	45 "
12″	19″	17″	12	⅞″	3¾″	55 "
14″	21″	18¾″	12	1″	4¼″	75 "
15″	22¼″	20″	16	1″	4¼″	85 "
16″	23½″	21¼″	16	1″	4¼″	108 "

OVEN FURNACE DOORS AND FRAME.

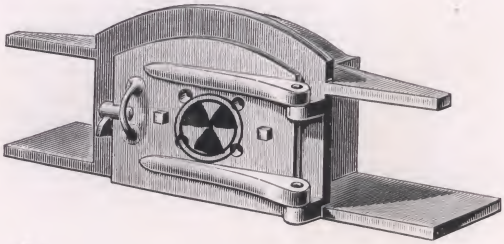


16½ in.

Door Opening, 12x12, 105 lbs.
Door Opening, 12x16, 140 lbs.


GARBAGE CREMATORY
& WATER HEATER
No 4

BAKERS' OVEN FURNACE DOOR AND FRAME.



12x14 inches, 150 lbs.
14x18 inches, 200 lbs.

17+00

BAKERS' OVEN SWING DOOR AND FRAME.



SLIDING DAMPER.



2.75 5.25 6.25 6.75 7.25

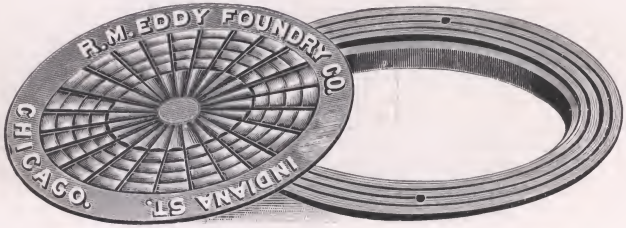
Size, inches....	12x12	12x14	14x14	14x16	16x16	16x18	18x18	18x20	20x20
Price.....	$2.75	$3.00	$3.25	$3.50	$3.75	$4.00	$4.50	$4.75	$5.00

BASES FOR UPRIGHT BOILERS.



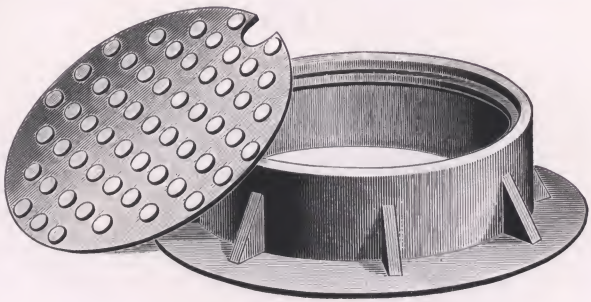
30 inches diameter	218 pounds	8 inches high
36 inches diameter	220 pounds	8 inches high
42 inches diameter	270 pounds	8 inches high
48 inches diameter	420 pounds	8 inches high
54 inches diameter	460 pounds	8 inches high

COAL HOLE COVER AND RING.



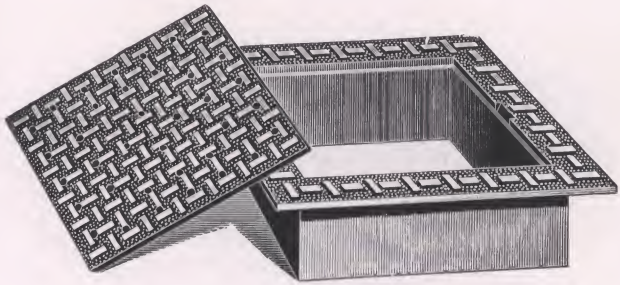
Cover, 20 inches diameter, 36 lbs.
Ring, 26 inches diameter, 32 lbs.

MANHOLE CURB WITH SOLID COVER.



Diameter of opening, 22 inches.
Height above the flange, 8 inches.
475 lbs.

COALHOLE COVER AND FRAME.



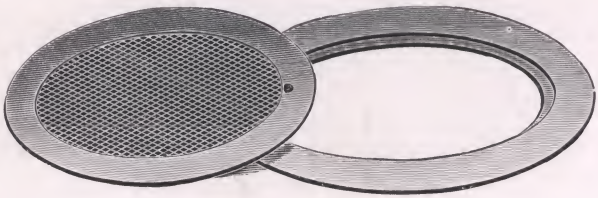
Cover, 24x24 inches outside.
Frame, 32x32 inches outside.
452 lbs.

CATCH BASIN COVER.



16 inches diameter, 20 lbs.
18 inches diameter, 25 lbs.

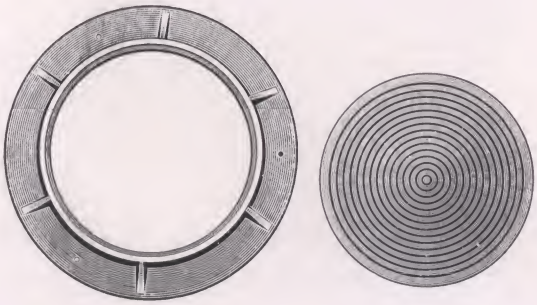
CATCH BASIN RING AND COVER.



Cover, 16 inches diameter.
Ring, 21 inches outside diameter. } 45 lbs.

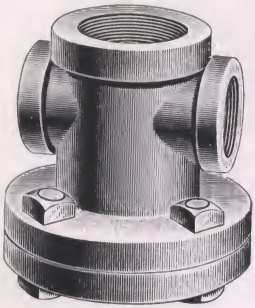
Cover, 18 inches diameter.
Ring, 24 inches outside diameter. } 55 lbs.

CATCH BASIN RING AND COVER.

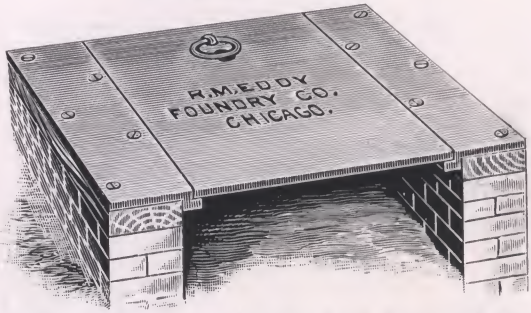


Cover, 22 in. diameter, 70 lbs.
Ring, 30 in. diameter, 70 lbs.

BLOW-OFF CROSS.



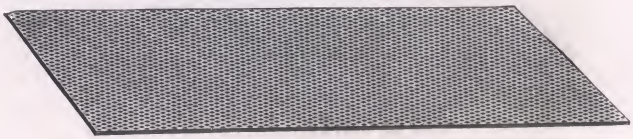
TRENCH COVERS.



Width of Center Plate....8, 12, 14, 16, 18, 20, 22, 24, 30 inches

TRENCH COVERS.

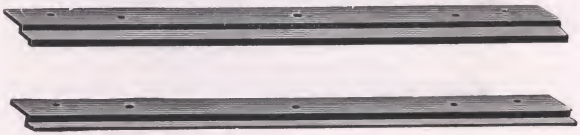
With Diamond Surface.....8, 10, 12, 14, 16, 18, 20, 24 inches
Weight, 18 lbs. per square foot.
Length of plate, 3 ft.

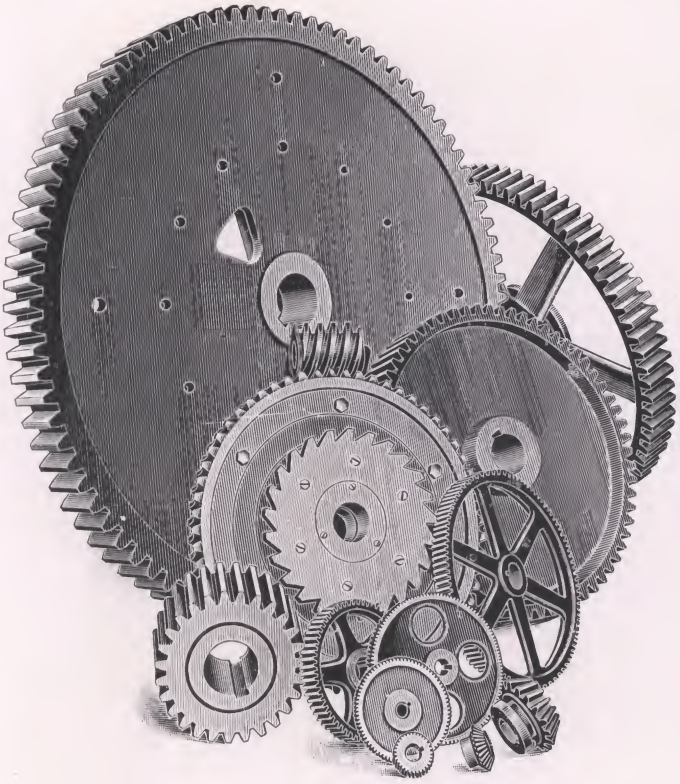




TRENCH SIDE PLATE.

TRENCH PLATE BEARING BARS.





We are equipped to cut spur bevel and worm gears any size up to 40 inches. Lowest prices quote on application.